

## ABSTRACT

A biofidelic lower leg surrogate includes a latex skin containing tissue simulating gelatin and a simulative bone assembly. The bone assembly is defined by a hollow, cylindrical, polymeric tibia body connected to an ankle piece in the shape of a section of a solid cylinder; a pair of heel blocks bonded to each other and to the ankle piece with a triangular bottom opening therebetween defining an arch; a nylon tendon strip mounted in grooves in the bottom of the heel blocks; and a heel pad extending across the bottom of the blocks.